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Amendments to the Claims:

This listing will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Currently amended): A method of protecting electrical assemblies fabricated on printed circuit board which comprises:

providing a printed circuit board having an electrical assembly formed thereon, the printed circuit board having an upper surface and a lower surface, the upper surface of the printed circuit board having a topography defined by the size, shape and location of individual components of the electrical assembly;

providing a first molded form configured to cover the upper surface of the printed circuit board, said first molded form having an inner surface which is substantially complementarily shaped to the topography of the upper surface of the printed circuit board, including recesses that are complementarily shaped to individual ones of the components of the electrical assembly,

providing a second molded form configured to cover the lower surface of the printed circuit board;

securing the printed circuit board between the first and second molded forms, so that the circuit board is enclosed between the first and second molded forms and so that individual components of the electrical assembly are received in a recesses formed in the first molded form that are complementarily shaped to individual ones of the components

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of the electrical assembly so as to protect the electrical assembly from damage caused by at least one of vibration, shock and thermal changes.

Claim 2 (Original): A method of protecting electrical assemblies fabricated on printed circuit board according to claim 1, wherein the first and second molded forms comprises co-molded forms.

Claim 3 (Original): A method of protecting electrical assemblies fabricated on printed circuit board according to claim 2, wherein the co-molded forms comprise a outer surface layer that is harder than a central portion of the co-molded forms.

Claim 4 (Original): A method of protecting electrical assemblies fabricated on printed circuit board according to claim 3, wherein out outer surface layer has ridges formed therein.

Claim 5 (Original): A method of protecting electrical assemblies fabricated on printed circuit board according to claim 1, wherein the first and second molded forms are molded together about a hinge.

Claim 6 (Original): A method of protecting electrical assemblies fabricated on printed circuit board according to claim 1, wherein at least one of the first and second molded forms includes an embedded structure therein.

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Claim 7 (Original): A method of protecting electrical assemblies fabricated on printed circuit board according to claim 4, wherein the embedded structure comprises at last one of a rigid structure, an emi shield and a thermal conductor.

Claim 8 (Original): A method of protecting electrical assemblies fabricated on printed circuit board according to claim 1, wherein the electrical assemblies comprise assemblies that are used in down hole applications.

Claim 9 (Currently amended): A method of fabricating a molded form used to enclose and protect an electrical assembly provided on a printed circuit board which method comprises:

providing a printed circuit board having an electrical assembly formed thereon and having an upper surface and a lower surface, the upper surface of the printed circuit board having a topography defined by the size, shape and location of individual components of the electrical assembly;

producing an electronic image of the upper surface;

modifying the electronic image of the upper surface;

fabricating a mold for injection molding a molded form that is substantially complementarily shaped to the topography of the upper surface of the printed circuit board, said mold being complementarily shaped to the topography of the upper surface of the printed circuit board by an operation that utilizes the modified electronic image of the upper surface of the printed circuit board, said mold including protrusions that are complementarily shaped to individual ones of the components of the electrical assembly;

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and

injection molding a molded form using the mold. mold which molded form is

configured to enclose and protect an electrical assembly provided on a printed circuit

board, the molded form having recesses formed by the protrusions, which recesses are

complementarily shaped to individual once of the components of the electrical assembly

and configured to receive individual ones of the components of the electrical assembly.

Claim 10 (Original): A method of fabricating a molded form used to protect an electrical

assembly provided on a printed circuit board according to claim 9, wherein the electronic

image of the upper surface of the printed circuit board is produced by scanning the upper

surface of the printed circuit board.

Claim 11 (Original): A method of fabricating a molded form used to protect an electrical

assembly provided on a printed circuit board according to claim 9, wherein the electronic

image is modified by measuring the heights of the individual components of the electrical

assembly and either adding a factor to the measured heights or subtracting a factor from

the measured heights.

Claim 12 (Original): A method of fabricating a molded form used to protect an electrical

assembly provided on a printed circuit board according to claim 9, wherein the electronic

image is modified by adjusting for space around each of the individual components of the

electrical assembly.

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Claim 13 (Original): A method of fabricating a molded form used to protect an electrical

assembly provided on a printed circuit board according to claim 9, wherein the molded

form is co-molded.

Claim 14 (Original): A method of fabricating a molded form used to protect an electrical

assembly provided on a printed circuit board according to claim 13, wherein the co-

molded form comprises a outer surface layer that is harder than a central portion of the

co-molded form.

Claim 15 (Original): A method of fabricating a molded form used to protect an electrical

assembly provided on a printed circuit board according to claim 14, wherein the out outer

surface layer has ridges formed therein.

Claim 16 (Original): A method of fabricating a molded form used to protect an electrical

assembly provided on a printed circuit board according to claim 9, wherein the molded

form comprises upper and lower molded form portions.

Claim 17 (Original): A method of fabricating a molded form used to protect an electrical

assembly provided on a printed circuit board according to claim 16, wherein the upper

and lower molded form portions are coupled together by a hinge.

Claim 18 (Original): A method of fabricating a molded form used to protect an electrical

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assembly provided on a printed circuit board according to claim 9, wherein an embedded

structure is molded into the molded form.

Claim 19 (Original): A method of fabricating a molded form used to protect an electrical

assembly provided on a printed circuit board according to claim 18, wherein the

embedded structure comprises at last one of a rigid structure, an emi shield and a thermal

conductor.

Claim 20 (Original): A method of fabricating a molded form used to protect an electrical

assembly provided on a printed circuit board according to claim 9, wherein the electrical

assembly comprises an assembly that is used in down hole applications.

Claim 21 (Canceled)

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